

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|--------------------|------------------|
| 1 | 20 | ((US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$ or US-6272154-\$ or US-6285475-\$ or US-5283871-\$ or US-6292289-\$ or US-6151148-\$ or US-6671084-\$ or US-6600584-\$ or US-6271962-\$ or US-6256126-\$ or US-6631026-\$ or US-6583909-\$ or US-6441955-\$ or US-6327076-\$ or US-6212001-\$).did. or (US-20030035171-\$).did.) and switch\$4 | USPAT; US-PGPUB | 2004/04/29 16:38 |
| 2 | 20 | ((US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$ or US-6272154-\$ or US-6285475-\$ or US-5283871-\$ or US-6292289-\$ or US-6151148-\$ or US-6671084-\$ or US-6600584-\$ or US-6271962-\$ or US-6256126-\$ or US-6631026-\$ or US-6583909-\$ or US-6441955-\$ or US-6327076-\$ or US-6212001-\$).did. or (US-20030035171-\$).did.) and state | USPAT; US-PGPUB | 2004/04/29 16:38 |
| - | 1073 | 398/16,30,31,33,37,76,79.ccls. | USPAT; US-PGPUB | 2004/04/19 14:31 |
| - | 145 | 398/16,30,31,33,37,76,79.ccls. and supervi\$6 | USPAT; US-PGPUB | 2004/04/19 14:55 |
| - | 5 | 398/16,30,31,33,37,76,79.ccls. and (var\$6 adj3 supervi\$6) | USPAT; US-PGPUB | 2004/04/19 14:56 |
| - | 4 | var\$6 adj3 supervi\$6 adj3 channel\$4 | USPAT; US-PGPUB | 2004/04/19 14:57 |
| - | 15 | var\$6 adj3 (monitor\$4 maintan\$6 supervi\$6) adj3 channel\$4 | USPAT; US-PGPUB | 2004/04/19 16:02 |
| - | 8 | ("4843382" "4994675" "5293231" "5317439" "5331319" "5861967" "5900983" "5978113").PN. | USPAT | 2004/04/19 15:00 |
| - | 0 | 6310708.URPN. | USPAT | 2004/04/19 15:01 |
| - | 0 | 6310708.URPN. | USPAT | 2004/04/19 15:01 |
| - | 321 | 359/333.ccls. | USPAT; US-PGPUB | 2004/04/19 16:02 |
| - | 175 | 359/349.ccls. | USPAT; US-PGPUB | 2004/04/19 16:04 |
| - | 19 | (359/333.ccls. 359/349.ccls.) and supervi\$6 | USPAT; US-PGPUB | 2004/04/19 16:11 |
| - | 7 | ("5375010" "5430572" "5831754" "6195480" "6229936" "6321002" "6496617").PN. | USPAT | 2004/04/19 16:08 |
| - | 0 | 359/337. | USPAT; US-PGPUB | 2004/04/19 16:11 |
| - | 52 | 359/337.12.ccls. | USPAT; US-PGPUB | 2004/04/19 16:26 |
| - | 605 | 398/\$.ccls. and supervi\$6 | USPAT; US-PGPUB | 2004/04/19 16:26 |
| - | 454 | (398/\$.ccls. and supervi\$6) not ((398/16,30,31,33,37,76,79.ccls. and supervi\$6) 359/333.ccls. 359/349.ccls.) | USPAT; US-PGPUB | 2004/04/19 16:45 |
| - | 6 | ("5475679" "5784372" "5901139" "5956165" "6069892" "6452901").PN. | USPAT | 2004/04/19 16:43 |
| - | 0 | 6535313.URPN. | USPAT | 2004/04/19 16:44 |
| - | 23 | ((398/\$.ccls. and supervi\$6) not ((398/16,30,31,33,37,76,79.ccls. and supervi\$6) 359/333.ccls. 359/349.ccls.)) and (supervi\$6 with vari\$6) | USPAT; US-PGPUB | 2004/04/19 16:53 |
| - | 107 | 370/246-247.ccls. | USPAT; US-PGPUB | 2004/04/19 16:55 |
| - | 20 | 370/246-247.ccls. and supervi\$6 | USPAT; US-PGPUB | 2004/04/19 16:57 |
| - | 374 | 379/32.01 | USPAT; US-PGPUB | 2004/04/19 16:57 |
| - | 289 | 379/32.01.ccls. | USPAT; US-PGPUB | 2004/04/19 16:57 |
| - | 41 | 379/32.01.ccls. and supervi\$6 | USPAT; US-PGPUB | 2004/04/19 17:06 |
| - | 364 | 340/3.1.ccls. | USPAT; US-PGPUB | 2004/04/19 17:07 |
| - | 68 | 340/3.1.ccls. and supervi\$6 | USPAT; US-PGPUB | 2004/04/20 18:02 |

| | | | | |
|---|------|---|--------------------|------------------|
| - | 60 | (out in) adj.band adj3 control\$4 adj3 channel | USPAT; US-PGPUB | 2004/04/20 18:08 |
| - | 332 | (out in) adj.band adj5 control\$4 | USPAT; US-PGPUB | 2004/04/20 18:08 |
| - | 272 | ((out in) adj.band adj5 control\$4) not ((out in) adj.band adj3 control\$4 adj3 channel) | USPAT; US-PGPUB | 2004/04/20 18:08 |
| - | 180 | ((out in) adj.band adj5 control\$4) not ((out in) adj.band adj3 control\$4 adj3 channel)) and multiplex\$6 | USPAT; US-PGPUB | 2004/04/21 10:24 |
| - | 2 | 6392769.URPN. | USPAT | 2004/04/21 10:13 |
| - | 167 | 398/\$.ccls. and ((vari\$8 adjust\$6) adj5 (control\$6 supervis\$6 monitor\$5) adj5 (channel\$4 wavelength\$4 freq\$6)) | USPAT; US-PGPUB | 2004/04/21 10:29 |
| - | 171 | 398/\$.ccls. and ((vari\$8 adjust\$6) adj5 (service control\$6 supervis\$6 monitor\$5) adj5 (channel\$4 wavelength\$4 freq\$6)) | USPAT; US-PGPUB | 2004/04/21 10:57 |
| - | 1260 | 398/\$.ccls. and (control adj3 (wavelength channel)) | USPAT; US-PGPUB | 2004/04/21 10:58 |
| - | 0 | (398/\$.ccls. and ((vari\$8 adjust\$6) adj5 (service control\$6 supervis\$6 monitor\$5) adj5 (channel\$4 wavelength\$4 freq\$6))) and ((control adj3 (wavelength channel)) with multiplex\$3) | USPAT; US-PGPUB | 2004/04/21 11:00 |
| - | 33 | (398/\$.ccls. and ((vari\$8 adjust\$6) adj5 (service control\$6 supervis\$6 monitor\$5) adj5 (channel\$4 wavelength\$4 freq\$6))) and ((control adj3 (wavelength channel)) with multiplex\$3) | USPAT; US-PGPUB | 2004/04/21 11:10 |
| - | 4 | touma-eisaku.inv. | USPAT; US-PGPUB | 2004/04/21 15:02 |
| - | 1 | 6288806.URPN. | USPAT | 2004/04/21 14:54 |
| - | 8 | ("5500753" "5523868" "5731887" "5880865" "6055694" "6061328" "6094442" "6108113").PN. | USPAT | 2004/04/21 14:54 |
| - | 3 | "6301637" | USPAT; US-PGPUB | 2004/04/21 15:02 |
| - | 10 | (US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$).did. or (US-20030035171-\$).did. | USPAT; US-PGPUB | 2004/04/21 15:16 |
| - | 3 | ((US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$).did. or (US-20030035171-\$).did.) and section | USPAT; US-PGPUB | 2004/04/22 10:15 |
| - | 107 | 398/\$.ccls. and osc | USPAT; US-PGPUB | 2004/04/22 16:48 |
| - | 19 | ("4451916" "4833668" "5113459" "5150243" "5170447" "5274496" "5299048" "5383046" "5394265" "5455704" "5500756" "5510931" "5521737" "5532864" "5535037" "5535050" "5546213" "5555477" "6046833").PN. | USPAT | 2004/04/22 11:11 |
| - | 9 | ("4821255" "5303078" "5457556" "5530575" "5712932" "5751454" "5903371" "5959767" "6084694").PN. | USPAT | 2004/04/22 12:03 |
| - | 2 | (variable with control with channel) and 368/\$.ccls. | USPAT; US-PGPUB | 2004/04/22 16:49 |
| - | 92 | (variable with control with channel) and 398/\$.ccls. | USPAT; US-PGPUB | 2004/04/22 16:49 |
| - | 37 | (variable with (frequency wavelength) with control with channel) and 398/\$.ccls. | USPAT; US-PGPUB | 2004/04/22 16:49 |
| - | 6 | ("5274496" "5299048" "5500756" "5768000" "5790289" "5875046").PN. | USPAT | 2004/04/22 16:58 |
| - | 1 | "6632032" | USPAT; US-PGPUB | 2004/04/23 12:50 |
| - | 14 | ("5229875" "5283871" "5452306" "5455832" "5757793" "5841759" "5870212" "5901136" "5978113" "5996010" "6005694" "6018567" "6072611" "6285475").PN. | USPAT | 2004/04/23 10:33 |
| - | 17 | "5870217" | USPAT; US-PGPUB | 2004/04/23 13:36 |
| - | 92 | 398/181.ccls. | USPAT; US-PGPUB | 2004/04/23 15:20 |
| - | 40 | 398/14.ccls. | USPAT; US-PGPUB | 2004/04/23 15:20 |
| - | 7 | ("4278850" "5073982" "5241414" "5436746" "5521737" "5784192" "5790294").PN. | USPAT | 2004/04/23 15:30 |

| | | | | |
|---|-----|--|--------------------|------------------|
| - | 13 | ("2590054" "2657977" "2943982" "3212944" "3428418" "4001377" "4263850" "4267774" "4372210" "5113459" "5399609" "5436750" "5793510").PN. | USPAT | 2004/04/23 16:07 |
| - | 5 | 6151148.URPN. | USPAT | 2004/04/23 16:10 |
| - | 4 | ("5914794" "5966237" "6023366" "6151148").PN. | USPAT | 2004/04/23 16:17 |
| - | 2 | 6292289.URPN. | USPAT | 2004/04/23 16:18 |
| - | 6 | ("5778132" "5917635" "5930038" "6288810" "6292289" "6353497").PN. | USPAT | 2004/04/23 16:22 |
| - | 0 | 6417962.URPN. | USPAT | 2004/04/23 16:23 |
| - | 2 | 6292289.URPN. | USPAT | 2004/04/23 16:24 |
| - | 4 | ("5914794" "5966237" "6023366" "6151148").PN. | USPAT | 2004/04/23 16:24 |
| - | 6 | ("5278686" "5355250" "5481390" "5875054" "6134032" "6151148").PN. | USPAT | 2004/04/23 16:25 |
| - | 59 | 5500756.URPN. | USPAT | 2004/04/23 16:43 |
| - | 14 | ("4366565" "5035481" "5268786" "5274496" "5276543" "5296957" "5396360" "5463487" "5500756" "5535037" "5664131" "5764404" "5796505" "5966237").PN. | USPAT | 2004/04/23 17:00 |
| - | 6 | 6271962.URPN. | USPAT | 2004/04/26 12:04 |
| - | 14 | ("4391517" "4652123" "5074633" "5216728" "5357332" "5455672" "5461497" "5471342" "5847862" "6201620" "6222652" "6271962" "6317255" "6337936").PN. | USPAT | 2004/04/26 12:50 |
| - | 6 | ("5440418" "5500756" "5502810" "5812289" "5914794" "6064501").PN. | USPAT | 2004/04/26 12:55 |
| - | 24 | 5440418.URPN. | USPAT | 2004/04/26 12:58 |
| - | 0 | 6256126.URPN. | USPAT | 2004/04/26 13:01 |
| - | 7 | ("4245245" "5251324" "5440418" "5654816" "6008915" "6023366" "6064501").PN. | USPAT | 2004/04/26 13:01 |
| - | 2 | ("5463487" "5870217").PN. | USPAT | 2004/04/26 16:16 |
| - | 3 | 6233078.URPN. | USPAT | 2004/04/26 16:16 |
| - | 19 | (US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$ or US-6272154-\$ or US-6285475-\$ or US-5283871-\$ or US-6292289-\$ or US-6151148-\$ or US-6671084-\$ or US-6600584-\$ or US-6271962-\$ or US-6256126-\$).did. or (US-20030035171-\$).did. | USPAT; US-PGPUB | 2004/04/26 17:09 |
| - | 5 | ((US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$ or US-6272154-\$ or US-6285475-\$ or US-5283871-\$ or US-6292289-\$ or US-6151148-\$ or US-6671084-\$ or US-6600584-\$ or US-6271962-\$ or US-6256126-\$).did. or (US-20030035171-\$).did.) and section | USPAT; US-PGPUB | 2004/04/26 17:09 |
| - | 4 | ("5914794" "5966237" "6023366" "6151148").PN. | USPAT | 2004/04/26 17:45 |
| - | 473 | 359/337.ccls. | USPAT; US-PGPUB | 2004/04/27 10:20 |
| - | 880 | 359/337-337.4.ccls. | USPAT; US-PGPUB | 2004/04/27 10:21 |
| - | 30 | ("4315666" "4342499" "4401364" "4616898" "4699452" "4728170" "4805977" "4881790" "5039199" "5083874" "5095519" "5191628" "5228105" "5406411" "5541766" "5557442" "5633974" "5636301" "5651085" "5694512" "5696615" "5883736" "5920423" "5963361" "5999548" "6031646" "6055092" "6057959" "6081366" "6122298").PN. | USPAT | 2004/04/27 10:57 |
| - | 2 | ("5818629" "6057959").PN. | USPAT | 2004/04/27 11:13 |
| - | 2 | 6212001.URPN. | USPAT | 2004/04/27 11:22 |
| - | 2 | 6212001.URPN. | USPAT | 2004/04/27 11:29 |
| - | 2 | ("5909305" "6067187").PN. | USPAT | 2004/04/27 11:29 |
| - | 5 | ("5877878" "5943147" "6025948" "6038356" "6064501").PN. | USPAT | 2004/04/27 11:40 |
| - | 0 | 5453867.URPN. | USPAT | 2004/04/27 14:17 |
| - | 24 | (US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$ or US-6272154-\$ or US-6285475-\$ or US-5283871-\$ or US-6292289-\$ or US-6151148-\$ or US-6671084-\$ or US-6600584-\$ or US-6271962-\$ or US-6256126-\$ or US-6631026-\$ or US-6583909-\$ or US-6441955-\$ or US-6327076-\$ or US-6212001-\$).did. or (US-20030035171-\$).did. | USPAT; US-PGPUB | 2004/04/28 17:58 |

| | | | | |
|---|---|--|--------------------|------------------|
| - | 7 | ((US-6449070-\$ or US-6433903-\$ or US-6310708-\$ or US-6018406-\$ or US-6535313-\$ or US-6377395-\$ or US-4575839-\$ or US-6392769-\$ or US-6426817-\$ or US-6272154-\$ or US-6285475-\$ or US-5283871-\$ or US-6292289-\$ or US-6151148-\$ or US-6671084-\$ or US-6600584-\$ or US-6271962-\$ or US-6256126-\$ or US-6631026-\$ or US-6583909-\$ or US-6441955-\$ or US-6327076-\$ or US-6212001-\$).did. or (US-20030035171-\$).did.) and section | USPAT; US-PGPUB | 2004/04/29 15:13 |
|---|---|--|--------------------|------------------|

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®
 RELEASE 1.6

 Welcome
 United States Patent and Trademark Office


>> Search

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Your search matched **10** of **1024576** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or enter a new one in the text box.

☐ Check to search within this result set
Results Key:**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Optical fiber digital picture code and supervisory signal transmission system***Asada, H.; Ikeda, H.; Yoshida, H.;*

Circuits and Systems, 1994. APCCAS '94., 1994 IEEE Asia-Pacific Conference on, 5-8 Dec. 1994

Pages:352 - 357

[\[Abstract\]](#)[\[PDF Full-Text \(864 KB\)\]](#)

IEEE CNF

2 Supervisory signal transmission by modulating the mB1C code complementary bit*Yamabayashi, Y.; Nakagawa, K.;*

Lightwave Technology, Journal of, Volume: 9, Issue: 3, March 1991

Pages:381 - 385

[\[Abstract\]](#)[\[PDF Full-Text \(396 KB\)\]](#)

IEEE JNL

3 Supervisory signal transmission experiments over 10000 km by modulated ASE of EDFAs*Shimizu, K.; Mizuochi, T.; Kitayama, T.;*

Electronics Letters, Volume: 29, Issue: 12, 10 June 1993

Pages:1081 - 1083

[\[Abstract\]](#)[\[PDF Full-Text \(240 KB\)\]](#)

IEEE JNL

4 Supervisory signal transmission methods for optical amplifier repeater systems*Matsuoka, S.; Yamabayashi, Y.; Aida, K.; Nakagawa, K.;*

Global Telecommunications Conference, 1990, and Exhibition. 'Communications Connecting the Future', GLOBECOM '90., IEEE, 2-5 Dec. 1990

Pages:1846 - 1850 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(340 KB\)\]](#) [IEEE CNF](#)

5 **The SL supervisory system**

Anderson, C.; Keller, D.;

Lightwave Technology, Journal of , Volume: 2 , Issue: 6 , Dec 1984

Pages:991 - 997

[\[Abstract\]](#) [\[PDF Full-Text \(2088 KB\)\]](#) [IEEE JNL](#)

6 **The SL Supervisory System**

Anderson, C.; Keller, D.;

Selected Areas in Communications, IEEE Journal on , Volume: 2 , Issue: 6 , N 1984

Pages:1031 - 1037

[\[Abstract\]](#) [\[PDF Full-Text \(840 KB\)\]](#) [IEEE JNL](#)

7 **Fast neural system identification: application to rehabilitation engineering**

Son, W.-K.; Madan, S.; Thrasher, A.; Andrews, B.J.;

Communications, Computers and Signal Processing, 1997. '10 Years PACRIM 1997 - Networking the Pacific Rim'. 1997 IEEE Pacific Rim Conference on , Vo 2 , 20-22 Aug. 1997

Pages:539 - 542 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(312 KB\)\]](#) [IEEE CNF](#)

8 **A 4-Wire Solid-State Switching System: Numbering Plan and Signaling System**

Bergmann, A.; Haferd, F.;

Communications, IEEE Transactions on [legacy, pre - 1988] , Volume: 12 , Is 4 , Dec 1964

Pages:179 - 186

[\[Abstract\]](#) [\[PDF Full-Text \(1064 KB\)\]](#) [IEEE JNL](#)

9 **OA&M framework for multiwavelength photonic transport networks**

Tada, Y.; Kobayashi, Y.; Yamabayashi, Y.; Matsuoka, S.; Hagimoto, K.;

Selected Areas in Communications, IEEE Journal on , Volume: 14 , Issue: 5 , 1996

Pages:914 - 922

[\[Abstract\]](#) [\[PDF Full-Text \(940 KB\)\]](#) [IEEE JNL](#)

10 **A remote supervisory system based on subcarrier overmodulation submarine optical amplifier systems**

Murakami, M.; Imai, T.; Aoyama, M.;

Lightwave Technology, Journal of , Volume: 14 , Issue: 5 , May 1996

Pages:671 - 677

[\[Abstract\]](#) [\[PDF Full-Text \(732 KB\)\]](#) [IEEE JNL](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved